

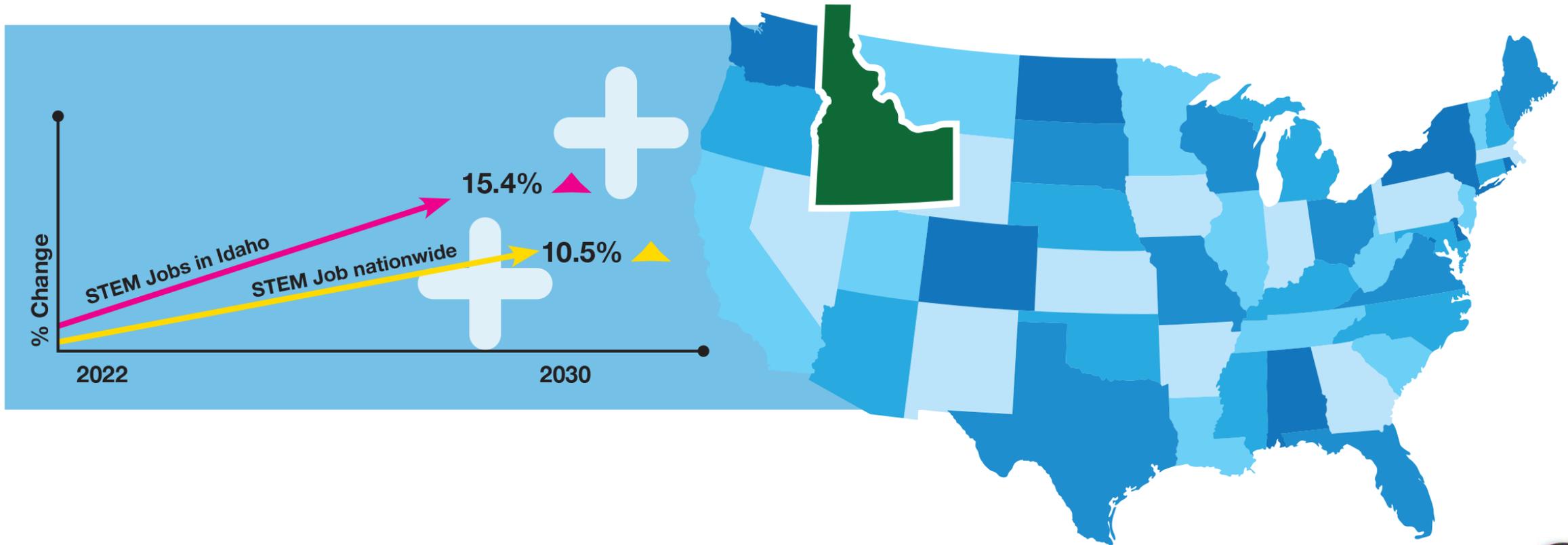


IDAHO
STEM
ACTION CENTER

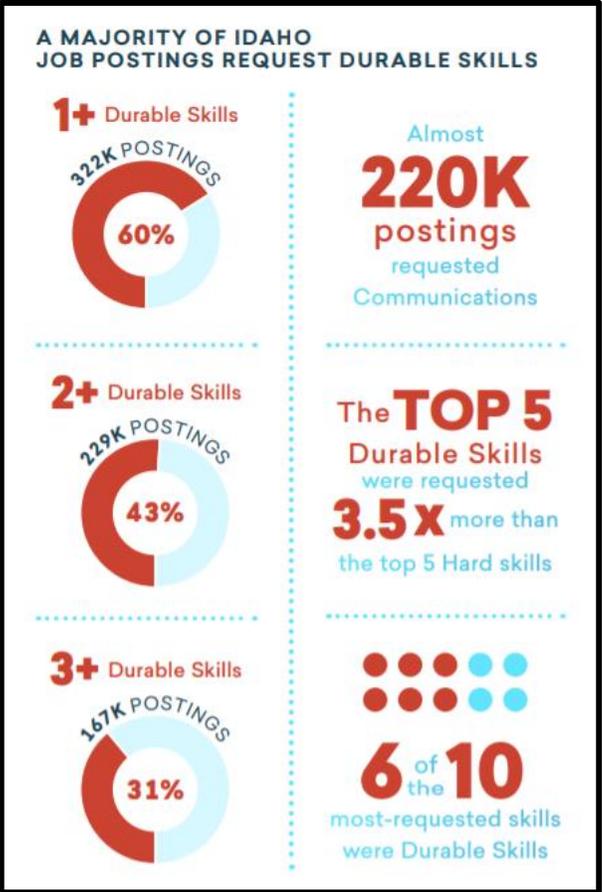
Senate Education Committee Presentation

Dr. Kaitlin Maguire
February 24, 2022

Idaho is a leader in STEM job growth



STEM Education builds durable skills



[American Succeeds, 2022](#)



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Idaho STEM Statutes

STEM Action Center

Idaho Code [67-823](#), 2015

Computer Science Initiative

Idaho Code [33-1633](#), 2016

STEM Education Fund

Idaho Code [67-824](#), 2016

STEM School Designation

Idaho Code [33-4701](#), 2017

STEM Diploma

Idaho Code [33-523](#), 2018

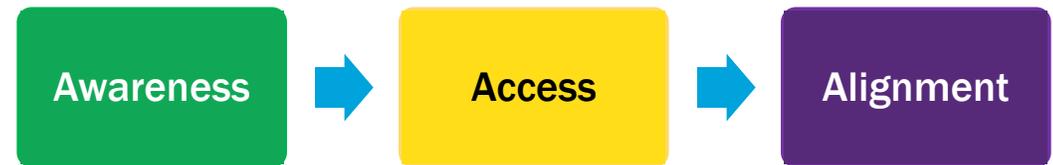
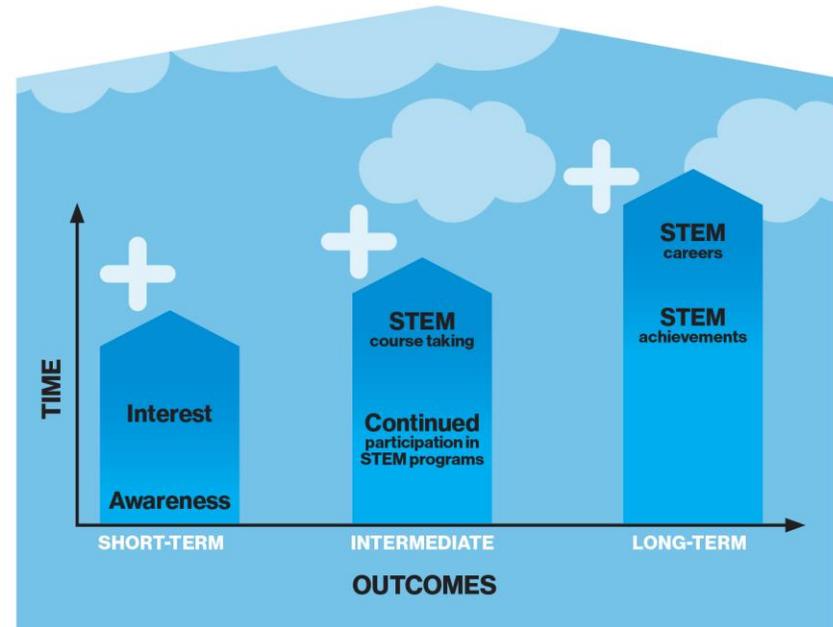
Computer Science for All

Idaho Code [33-1634](#), 2018



STEM Action Strategic Goals

1. Increase **awareness** of the importance of STEM+CS education
2. Advance **access** to high-quality STEM+CS opportunities for educators, students, and communities
3. **Align** education and workforce needs



Goal 1: Awareness



Stay STEM-spired
with daily learning resources!

Keep up on the newest STEM-azing learning opportunities.
Check out our [STEM@Home Resource Portal](#)



STEM EDUCATION

- Increases comprehension of 21st-century skills
- Promotes critical thinking
- Pays higher wages

 IDAHO STEM ACTION CENTER

0:22 / 4:23



Goal 2: Access

- i-STEM Summer Institutes

- 36 workshops in 6 regions
- >400 Idaho public educators
- In partnership with SDE, STEM employers, and higher education
- Train-the-trainer model

- Idaho Science and Engineering Fairs

- 3 regional fairs
- 300 students (48% rural; 50% girls)
- In partnership with STEM employers and higher education



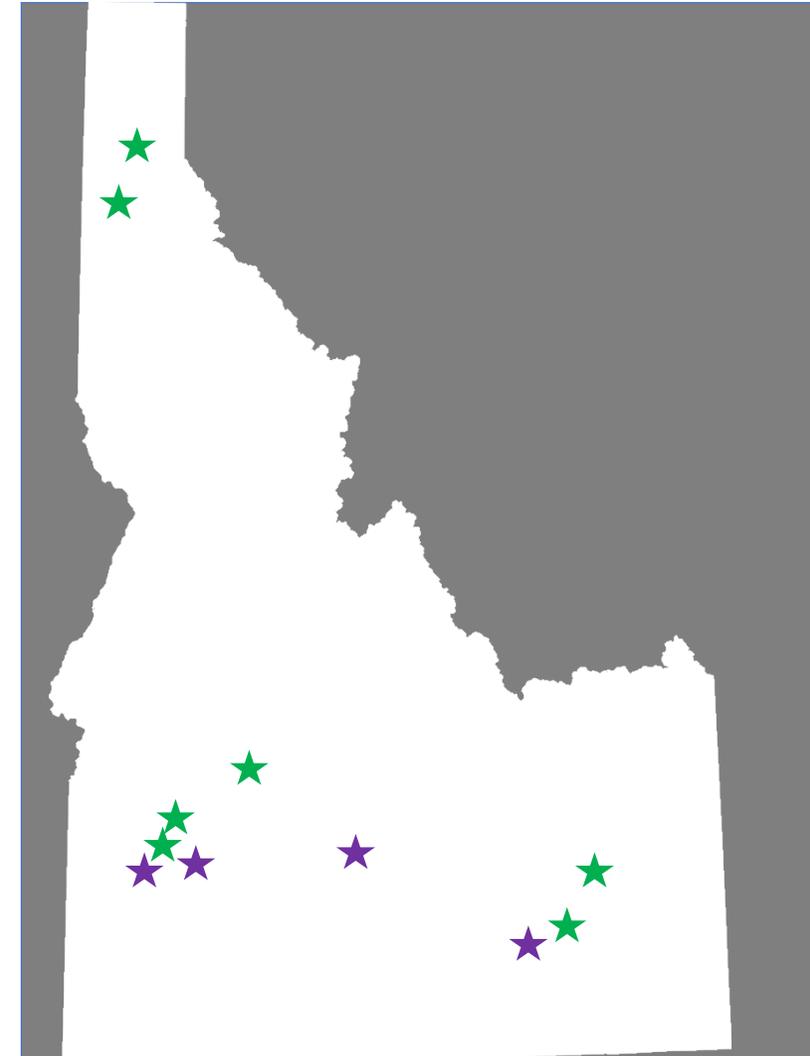
Goal 2: Access

STEM Designated Schools (§33-4701)

- Recognize schools that provide high quality, interdisciplinary STEM education
- Emphasis on relevant, project-based learning
- Aligned to 16 STEM standards, in partnership with OSBE

★ 7 STEM designated schools

★ 4 scheduled for reviews this school year



Goal 2: Access

STEM Diploma (§33-523)

- 8 credits in math; 8 credits in science, 5 credits of choice
- > 2,200 graduating seniors per year are eligible



Goal 2: Access

Statewide Resources

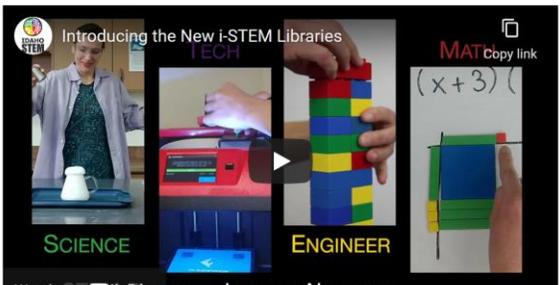


IDAHO STEM ACTION CENTER **i-STEM LIBRARIES**

S **T** **E** **M**

i-STEM Libraries Online Catalog

Welcome to the latest iteration of i-STEM Libraries. This network of six regional libraries offers equipment, kits and technology to enhance STEM learning in your classroom or program! Browse and request available items in your area using the catalog below -- plus, find lesson plans, videos, teacher guides and more.



Introducing the New i-STEM Libraries

SCIENCE ENGINEER

Watch on YouTube **IONAL LIBRARY NETWORK**

MAT Copy link

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LearningBlade[®]

STEM and Computer Science Career Awareness

Learning Blade for STEM/CS/CTE Career Exploration



Goal 3: Alignment

Educator Externships

- K-12 teachers and college/career counselors
- In first 3 years, 70 externs have been placed at 44 host sites.
- 46 externs for Summer 2022.
- In collaboration with Workforce Development Council.
 - Host Sites have contributed \$84,750 towards stipends



Goal 3: Alignment

Cloud Computing

- 16,846 unique job postings in ID require cloud computing skills (EMSI, 2021)
- Free training for secondary and post-secondary educators to earn instructor certification
- Teach cloud computing to high school/college students & adults who want to reskill
- 90% of skills transfer to other cloud platforms



Goal 3: Alignment

Public-Private Partnerships

- Employer funds are partially matched with state funds for STEM+CS programming
- Aligned with regional and local needs

Think Make Create

Boise: Univ. of Idaho Extension Service 4-H Youth Program;
Caldwell: Treasure Valley Family YMCA;
Sacajawea: Community School and Canyon Ct Extension;
Payette: Boys & Girls Club of Western Treasure Valley;

Coeur d'Alene: Gizmo-CdA;
Sandpoint: The Library;
Bonners Ferry: Boundary Ct U.I. Extension;
Plummer: Coeur d'Alene Reservation;
Lewiston: Boys & Girls Club of Lewis-Clark Ct;
Lapwai: U.I. Extension

Gooding High: GEAR Up;
Fort Hall: PREP Program;
Twin Falls: Boys & Girls Club of Magic Valley;
Children's Hands On Museum: of Magic Valley;
Pocatello: Bannock Ct U.I. Extension;
Montpelier: Bear Lake Ct U.I. Extension;



Computer Science Initiative (§33-1633)

- Multifaceted approach
- 2nd state in the nation to adopt all of Code.org's policy recommendations.
- Idaho requires all secondary schools to offer CS (§33-1634).
- Increase in number of students taking AP and Dual Credit CS courses.
- STEM.Idaho.gov/computerscience



Idaho EcosySTEM



Get Involved!

IDAHO STEM ACTION CENTER

Be a part of the STEM Learning Ecosystems

Interested in learning more or bringing your organization and/or business on board? stem.idaho.gov/idaho-stem-ecosystem



- 100+ Partners
- Local decision-making with coordination at state-level to meet greatest needs



Idaho EcosySTEM



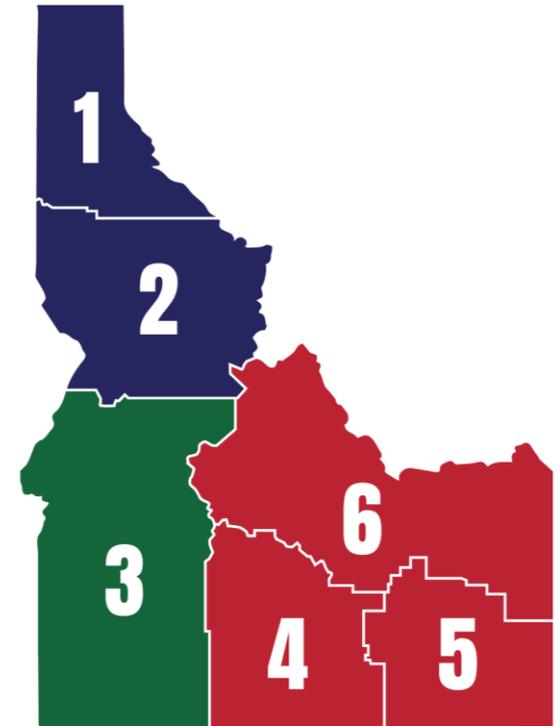
Idaho South and East Ecosystem (ISEE)
Regions 4, 5, and 6



Idaho North and North Central Ecosystem (INNC)
Regions 1 and 2



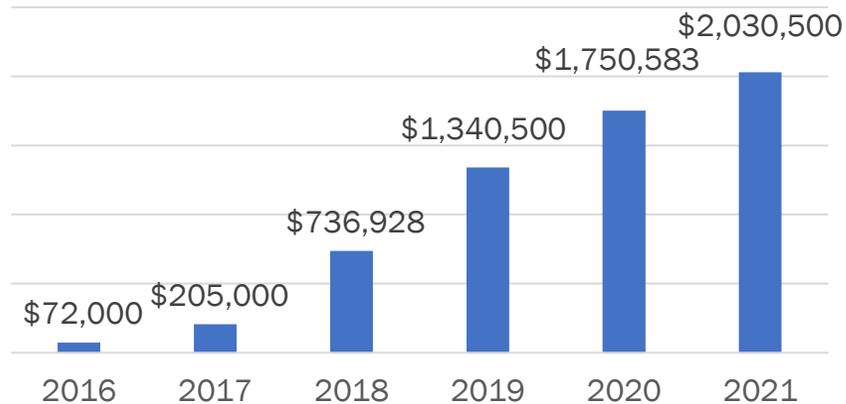
Southwest Idaho STEM Ecosystem (SWISH)
Region 3



STEM Action Center Budget

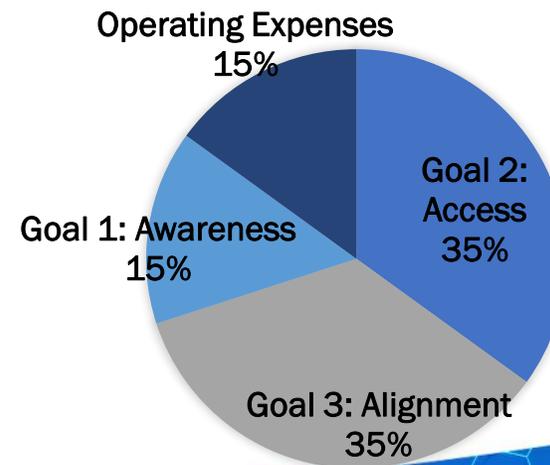
	General Fund (cash)	Dedicated Fund (spending authority)	Federal Fund (cash)	Total
FY21 Actual Exp.	\$2,875,400	\$1,930,500	\$0	\$4,805,900
FY22 Appropriation	\$3,056,100	\$2,929,900	\$0	\$5,986,000
FY23 Recommended	\$3,167,500	\$2,929,900	\$8,500	\$6,105,900

FY21 Funds Raised for STEM



*98% of funds received in FY21 were restricted funds

FY21 ACTUALS



Contact Information

Dr. Kaitlin Maguire

Executive Director

STEM Action Center

Executive Office of the Governor



Phone: 208-332-1726

Email: Kaitlin.Maguire@STEM.Idaho.gov

[Strategic Plan](#)

[Performance Report Metrics](#)

